ASBESTOS

AUGUST - 1948

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Write for details of the complete Ehret line. It includes practically every type of heat and cold insulation, and asbestos products.

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"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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THE PEACEFUL ROAD

The road which the Editor takes to the station every morning winds gracefully between two country villages. It is a beautiful road, mostly tree bordered, or with high hedges on either side, and in some places the trees, majestic old ones, meet in an arch overhead.

It makes several turns in the course of its two miles, goes down a steep hill and almost at its end crosses the Wissahickon Creek, famed for its scenic beauty.

A peaceful, quiet road where nothing of consequence ever happens — that was the way it looked one morning not long ago.

A storm in the afternoon — rain and a few minutes of high wind — changed the picture. When I returned later what a different story! Trees had blown across the road blocking it to traffic, and making a detour of a mile or so necessary.

A peaceful road in the morning may entirely change its character by night. And the following day, after road crews have gone over it — there it is — the same beautiful, shady road — where nothing ever happens!

PROBLEM FOR DISCUSSION-

Drying Boiler Insulation Quickly

One of our readers (an insulation contractor) presents the following problem for open discussion in "ASBESTOS".

In the application of asbestos cement over block insulation or fittings, where there is no heat, it is necessary to let the first coat dry out before applying the finish coat. This takes time and often requires another trip to the job, entailing additional expense.

Is there some kind of ingredient that can be added to the first coat to make it dry out more quickly so that the finish coat can be applied almost immediately?

Has any reader of "ASBESTOS" suggestions? Send them in and we will publish all answers (with or without names as designated) in a future issue.

BY THE WAY - The Diggers

Each morning we walk about six blocks from train to office, and many and varied are the scenes we come across from time to time in that short distance.

Especially indicative of present day practices, at least to our mind, was our observation one morning of a hole being dug in the pavement at one of the street crossings.

The hole was perhaps five feet square, perhaps a little less and surrounding it were four men: one an older man who had a pad of papers—apparently he had the figures and plan for the digging; then a middle-aged man with a pick and so close to him as to almost be in his way was another man with a shovel. The fourth man had some sort of tool on a long pole; he didn't seem to be doing anything except lean on the pole.

Perhaps the four men were needed; we wouldn't know as we have yet to discover what the digging was for. Maybe it was a city project—which would explain the need of four men in a space less than 25 square feet.

We may be wrong but it seemed to us that somebody (the taxpayers most likely) was paying the wages of four men where two could have functioned more efficiently.

. . . —

Something to Remember—The United States, by long odds the richest and most powerful nation in the world today, is not an inexhaustible storehouse of wealth—*Ralph Bradford, Executive Vice President, Chamber of Commerce of U. S. A.*

. . . —

The origin of civilization is man's determination to do nothing for himself which he can get done for him.—H. C. Bailey.

. . . —

THE SOUTH AFRICAN MINING & ENGINEERING JOURNAL, May 29th issue, contains a quite worthwhile article "World Demand for Asbestos" which reviews briefly the asbestos situation—occurrences, development and uses.

ASBESTOS PRODUCTION

Rhodesia[1]

Production of asbestos in Rhodesia began in 1908. The story of the discovery of asbestos in Rhodesia and other early history is interesting; we will give a brief resume of it.

Captain A. Heyman, Mining Commissioner at Fort Victoria at that time, in 1906 sent a number of mineral specimens to a geologist, F. P. Mennell, of Bulawayo, among which were samples of asbestos. Someone suggested to Captain Heyman (probably Mr. Mennell) that asbestos was potentially valuable if occurring in any quantity and that the deposits should be pegged. Asbestos was not then included in the list of minerals which could be located under the mining law, and it was necessary to have the pegging of the claims authorized by the Mining Commission. Finally a prospector by the name of John William Gath was authorized to peg some ground at Mashaba on June 28th 1907 and this is the site of the well-known Gath's mine.

The first shipment of 55 tons, made in 1908, so goes the story from one source, brought £18 (about $90.) or 10 shillings a ton. The following year 272 tons were produced and this sold for £26 per ton. The Mine has changed hands a number of times: Gath sold the claims to the Forbes Rhodesian Syndicate for £600 in December 1907; the Syndicate sold the property to P. C. Tarbutt of London for £9,000 and Tarbutt in turn sold it to T. H. S. Syndicate for £20,000 in cash and shares. This Syndicate changed its name to the Rhodesian Asbestos Co. in June 1908, and the property kept changing hands at an increasing figure until 1917 when it was acquired by the Rhodesian & General Asbestos Corporation. In 1929 Turner & Newall bought the mine, and this was the last change, it being a part of Turner-Newall's holdings at the present time.

[1]This is the second article in the series, giving production of asbestos in the various producing centers by years. The first of the series (see our July number) concerned Canada.

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In 1907 the nearest railhead to the property was at Selukwe—50 miles distant but in 1914 the railway reached Fort Victoria, which is about 14 miles from the Gath mine.

In the meantime, however, work was started on the King Mine, this having been registered by Edward Frankis on March 11, 1912. It is about 4 miles from Gath's and eventually, after several changes, also became the property of Turner & Newall. The first shipments from the King property were made in 1914 and totalled 425 tons, valued at £7,622.

Other deposits were acquired and worked at various times, until the production in Rhodesia in 1947 totalled 53,894 tons as shown in the accompanying table.

Asbestos found in Rhodesia is of the chrysotile variety and most of it of very good quality.

Following are the figures for production in Rhodesia from 1908 to date.

1908	55	1928	39,960
1909	272	1929	42,634
1910	332	1930	37,766
1911	460	1931	24,042
1912	—	1932	15,766
1913	290	1933	30,181
1914	487	1934	31,213
1915	2,010	1935	42,597
1916	6,157	1936	56,346
1917	9,562	1937	57,015
1918	8,574	1938	58,810
1919	9,799	1939	58,313
1920	18,823	1940	56,007
1921	19,529	1941	44,134
1922	14,249	1942	55,803
1923	20,364	1943	58,146
1924	26,140	1944	58,293
1925	34,349	1945	56,348
1926	33,344	1946	55,872
1927	33,175	1947	53,894

ASBESTOS FIBRE DIVISION
Canadian Johns-Manville Limited
1062 Sun Life Bldg. *(Telephone: Marquette 2421)* Montreal, P. Q., Canada

OUTLINE OF TESTING PROCEDURE BY BUILDING OFFICIALS FOUNDATION

The Building Officials Foundation[1] gives in its May 1948 issue of "Notes" the following information concerning its planned testing procedure for building materials:

The objective of the testing of such materials by that central agency is to eliminate the necessity for duplicating tests in one city after another, and to gain approval for use under provisions of the basic building code prepared by the Building Officials Conference of America.

The tests themseleves will not actually be made by the Buildng Officials Foundation but by recognized authoritative laboratories and the laboratories acceptable to the Foundation will be accredited by it. The manufacturer desiring a test may select any accredited laboratory to do the job. The Foundation's technical staff will determine how the test is to be made, and a representative of the Foundation will be present to see that the directions for the test are carried out.

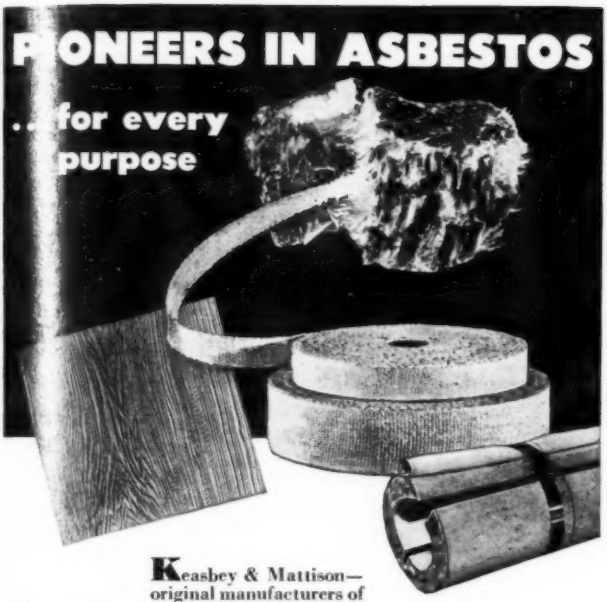
If the tests support the claims of the manufacturer, designer or patentee, and the functional properties of the material or device or system of construction are compatible with provisions of the basic code, the test subject will be approved by the Foundation, and a label of approval issued.

The test reports will indicate specific uses of the materials or equipment or construction systems under the provisions of the basic building code. The data will also be extremely valuable to building officials administering codes other than the basic code.

The test reports on approved materials and devices will be printed in the Official Bulletin of the Foundation, copies of which are to be distributed to the coding authorities of all cities of 10,000 population or more, and to building officials of smaller communities requesting them.

A special board will review, upon request of the sub-

[1] 51 E. 42nd St., New York 17, N. Y.



Keasbey & Mattison—original manufacturers of asbestos-cement roofing shingles in this country—produce a complete line of asbestos building materials: Siding and Roofing Shingles • Wallboards • Corrugated and Flat Lumber • Acoustical material.

For Industry, we offer the following all-purpose asbestos products: Asbestos and Magnesia Pipe and Block Insulations • Asbestos Electrical Materials • Packings • Textiles • Paper and Millboard • Marine Insulations.

And for the efficient conveyance of water, we manufacture "Century" Asbestos-Cement Pipe.

Nature made Asbestos...

Keasbey & Mattison has been making it serve mankind since 1873

K&M best in asbestos

KEASBEY & MATTISON
COMPANY • AMBLER • PENNSYLVANIA

mitter, tests which fail to support a submitter's claims. The decision of this board shall be final. Tests made prior to the establishment of the Foundation's procedure will be reviewed by the technical staff of the Foundation upon request, and approval issued without a re-run of the tests if the supporting data is in a form allowing a proper interpretation of use under the basic building code. The Official Bulletin will also carry reports on these previously made tests upon request to the Foundation.

WEIGHTS OF ROOFING MATERIALS

The following table has been taken from the May 1948 issue of Practical Builder, published at 59 E. Van Buren St., Chicago. We believe many of our readers will wish to keep this in their reference files.

Approximate Weights of Roofing Materials

Roofing material	Approx. Weight per sq. ft. Pounds
Corrugated galvanized iron	
20 gage	2.0
18 gage	3.0
Nailing concrete, per inch of thickness	8.0
Sheathing	
White pine, spruce & hemlock, 1" th.	2.5
Southern yellow pine, 1" th.	3.5
Shingles	
Wood	3.0
Asbestos	5.0
Slag roof, 4-ply felt	5.0
Slate	
3/16" thick	7.0
3/8" thick	12-14
Tile, clay	
Plain	15.0
Spanish	10.0
Tin plate, IX thickness	0.75

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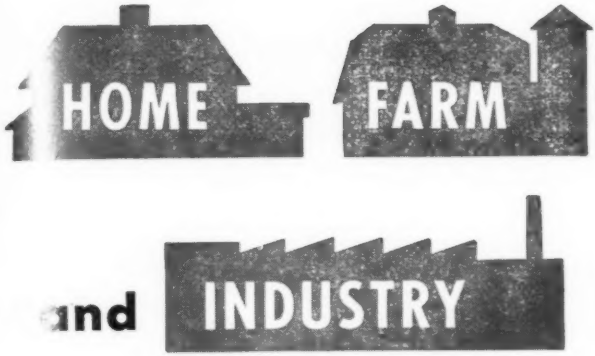
JERSEY CITY 4, N. J.

building materials for



- Asphalt Roofing and Siding
- Built-Up Roofings and Waterproofings
- Asbestos-Cement Products
- Insulation, Pipe-Coverings, etc.
- Coal Tar Products
- Building and Waterproof Papers
- Insulating Tape
- Pipe Line Wrapping Materials
- Rapid Asphalt Paint

The RUBEROID Co.

Executive Offices: 500 Fifth Ave., New York 18, N. Y.

"QUINTERRA"

The New Type of Electrical Insulation

"Quinterra" is described as an asbestos-base, completely inorganic electrical insulation. In appearance it resembles paper and is furnished in long lengths in roll or tape form, but possesses properties of thinness and electrical insulating strength never before attained in a flexible, morganic, asbestos sheet.

This remarkable material has just been announced by Johns-Manville who have built a new plant at Tilton, New Hampshire, exclusively for its production.

Quinterra is of closed structure, and has no holes or interstices as compared with the woven or open structure of cambries and glass cloth. It is of particular interest as an electrical insulation where high temperatures are encountered since, according to S. V. Dillon, manager of Johns-Manville electrical department, it retains its high dielectric strength of well over 250 VPM even at elevated temperatures.

The material remains unaffected by heat even when exposed to high temperatures for a long period of time. Sheets of Quinterra can be brought to bright red heat in a Bunsen Burner flame without igniting or melting or disintegrating. Even at 800° C it retains a dielectric strength in the order of 100 VPM.

At room temperature the minimum dielectric strength of Quinterra is approximately 250 VPM. In contrast to other electrical insulations, this value increases with continued exposure to temperature and becomes about 400 VPM at 300° C. It is also unique in the rapid manner in which it can dissipate heat while retaining and improving its dielectric strength.

Manufactured by a special paper making process it can be varied from a tissue-thin 1.5 mil to 20 mils in thickness. The initial product will be in thin sheet form for electrical wire insulation and slightly heavier for layer insulation. Future plans call for the making of a

Unibestos Pipe Covering and Blocks

Amosite Woven Felts

Asbestos Packings and Gaskets

Asbestos Textiles

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Insutape spiral pipe insulation

Wovenstone pipe insulation

Insutube and Thermotube pipe and tube insulation

Tailored Insulations for turbines, exhaust manifolds, etc.

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variety of thicknesses and laminates for other electrical insulating purposes.

The unusual combination of dielectric strength, thermal life and non-combustibility which Quinterra provides will help manufacturers of electrical apparatus build greater reliability and longer life into their products. Another advantage is the improved space factor. Designs can be made smaller and more compact. Space can be better utilized, yet at the same time a higher factor of safety under continued high temperature operation can be provided.

While commercial runs of Quinterra are just beginning, a pilot plant has been producing for several years and the results of its output carefully checked. One equipment manufacturer has used the material in a large number of transformers without encountering a single service failure in over three years.

CONSTRUCTION VOLUME SETS HALF-YEAR RECORD

Investment commitments for construction in the thirty-seven states east of the Rocky Mountains soared to $4,766,795,000 in the first half of 1948 to set an all time dollar record for the first-half period, according to F. W. Dodge Corporation.

The previous record for a first-half period was $3,937,736,000 established in 1946.

Contract volume in the first six months of this year was 36% higher than that reported for the corresponding period of 1947. The greatest gains were in non-residential building, which showed a rise of 60%. Residential awards were 24% higher than in the first half of last year while heavy engineering works showed a gain of 26%.

FOR SALE

Approximately fifteen thousand lineal yards Fiberglas Class A Lagging Cloth Treated. Sixty inches wide. $2.00 per yard. L. G. Jordan, 118 North Hamilton Street, Houston 2, Texas.

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ALFRED CARR

Believed to be the Oldest Living Pipe Coverer

Thru the kindness of Harry Dutton of the Dutton Asbestos and Supply Company, we have learned of Alfred Carr of San Francisco, who is believed to be the oldest pipe coverer living, and *working*.

Mr. Carr was born in Leeds, England, on July 14, 1865. He came to Canada, thence to New York City and from there by boat to Colon (then called Aspinwall) Panama about 1883. From there he went to San Francisco where he has lived ever since.

Alfred Carr in 1937.

(He is said to look the same today)

In San Francisco his first job was painting smoke stacks for large boilers and laying firebrick in some form. From that he easily drifted into the insulation field, his first insulation job being done in 1879. His first large contract was on the Pacific Mail Steamship Umatilla in 1887 or 1888. On this he used lime, sawdust, waste flock and shoddy. Later he used cocoanut fibre, of which great quantities were going to waste along the San Francisco water front at that time, in fact his first boiler job was done with fireclay, plaster of paris and cocoanut fibre.

His first use of 85% Magnesia (K. & M. pipe covering and blocks) was on the Eddy Street Laundry, about 1890. In 1900 he used aircell purchased from Mr. Dutton's small factory just started on Jessie Street, San Francisco.

Mr. Carr has always done his own *estimating* and his own *application*, and has always been busy. At one time he tried to make moulded covering in glass moulds but was

THE APPLICATION

OF INSULATION

COSTS LESS

WHEN YOU USE THE BEST

CHECK WITH THE MAN

WHO APPLIES IT

NORRISTOWN
MAGNESIA & ASBESTOS CO.

unsuccessful. He worked for $1.50 per *day* on these early jobs, and it was a 10 hour day; later he received $2.25 to $2.50 per day as foreman.

Mr. Carr is 83 and while he intended to retire on his birthday, on July 14th, we doubt that he did.

A SHEARING JIG

Which Saves Time and Money

Users and applicators of asbestos-cement board will be interested in what is probably the latest and most efficient cutter on the market for those materials.

The Cutter

It is very compact, easy to operate, light in weight, yet made in all-metal and durable.

The photographs give some idea of its operation. The long handle provides exceptional leverage to make cutting easy and fast. It is easy to transport so can be used anywhere. And the cut is clean—no burr to be sanded or filed smooth. It's really a most efficient tool.

Close-up of Jig In Operation

Write Donald Tulloch, Jr., Box 17, Chadds Ford, Pa., for the folder which gives more details of its operations, and for price. You might mention our name when writing.

• • • —

Continual attention will do great things; frugality of time is the greatest art, as well as virtue—John Adams.

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DRYCOR FELT COMPANY
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MARKET CONDITIONS

GENERAL BUSINESS

The situation in general business is rather obscured by political activities, and this will probably continue to be the case until after the election in November

Demand for most heavy goods is still rising; strikes create shortages and bottlenecks, but a high level of prosperity for the next six to twelve months is an almost unanimous opinion.

ASBESTOS - RAW MATERIAL

Production of asbestos crudes and fibres cannot keep up with the tremendous demand; the backlog of orders is still large and remains steady. Outlook is good for the balance of this year and for 1949.

The seasonal demand for short fibres for insulating purposes, as well as stepped up demand by other users of Shorts has overcome the slight recession which existed in these grades for the past several months.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. Industrial textile requirements are still high; as is shipwork. But safety clothing and electrical demand has decreased. The backlog of orders, which one of our correspondents describes as about 6 weeks, appears to be diminishing.

Buyers are cutting down inventories rather than the reverse and therefore future business will depend to a large extent on usage and replacements.

One manufacturer finds a decided slackening in the woven brake lining and the safety clothing business.

Prices, on the other hand, may have to be increased, because of higher labor rates, higher wire prices and, in fact, increasing costs all along the line.

Brake Lining. This market is estimated to be about 25% off from last year's volume, partly because jobbers acquired large stocks last year.

HAIR FELT

FOR

Low Temperature Insulation

Newark Hair Felt Co.

1000 Maple Avenue

Lansdale, Penna.

The prospect for brake lining business however, looks good, but prices are a very important factor and at present there is a strong buyers' market.

Asbestos Paper. The market in this commodity is becoming more active with the fall heating season only a few weeks off. Demand during the rest of this year should be sufficient to absorb all factory production.

Requirements for saturated paper are fairly high; even tho new construction is slowing up the maintenance and repair work is continuing and likely to increase.

Asbestos Millboard. Commercial millboard business is slow, but equipment business is active. Some factories are filling orders without any delay.

Insulation. High Pressure. Volume in this market is continuing heavy with a large backlog. Manufacturers tell us that the continued demand in the insulation field is due to industrial expansion, shipbuilding, public utilities, chemical plants and refineries.

Prices under these conditions are naturally firm, with costs increasing, especially in the labor end (see wage rates on page 24).

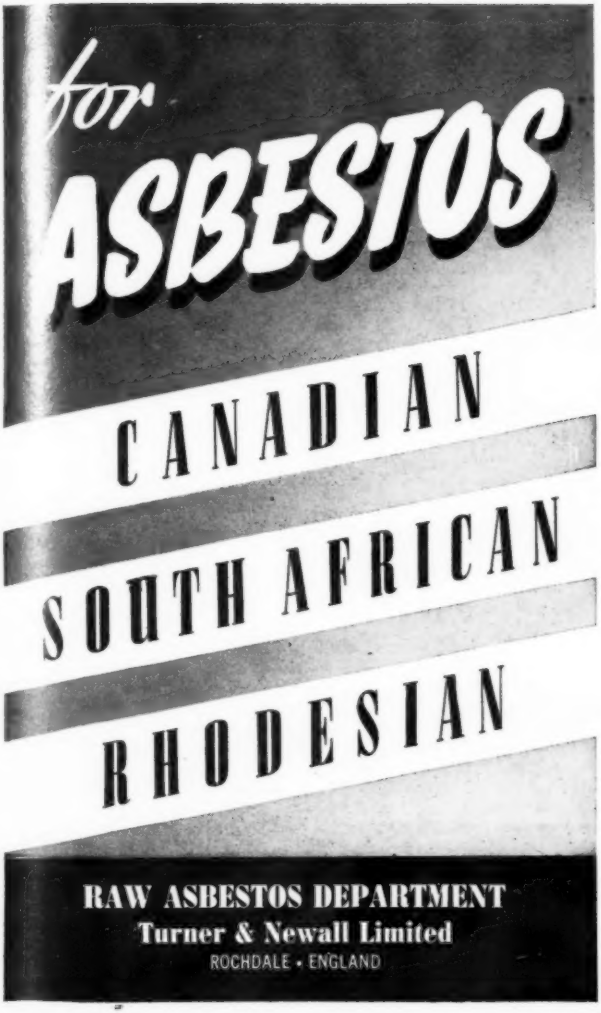
Insulation. Low Pressure. The housing program keeps this market active and while the backlog of orders at present is not large, the outlook for the balance of the year is more than fair.

Asbestos-Cement Products. There is little change in the asbestos-cement roofing and siding picture; manufacturers cannot fill the demand; shortage of the proper grade of asbestos fibre limits production. This will probably be the situation for some time to come.

The situation in corrugated and flat materials is practically the same as in shingles, altho requirements probably not as heavy.

Pressure and sewer pipe demand continues high, but flue pipe and electrical conduit capacity is generally sufficient to give reasonably good delivery.

The above is a consenus of opinion of executives closely in touch with the various markets. Readers are urged to send in their ideas and comments.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CANADIAN
SOUTH AFRICAN
RHODESIAN
RAW ASBESTOS DEPARTMENT
Turner & Newall Limited
ROCHDALE • ENGLAND

WAGE RATES FOR PIPE COVERERS

. The wage rates being paid Asbestos Workers (pipe coverers) in the principal cities and insulation centers of the United States at the present time are given in the tabulation below. Comparison with the list in August 1947 "ASBESTOS", page 24, will show the changes made during the year.

These rates are taken from the July 1948 issue of The Asbestos Worker (Official Quarterly Journal of The International Association of Heat and Frost Insulators and Asbestos Workers) and are believed to be uptodate (as of July 1948) and authentic.

Akron, Ohio	$2.20
Effective Oct. 1	2.25
Albany, N. Y.	2.00
Albuquerque, N. M.	1.87½
Allentown, Pa.	2.00
Amarillo, Texas	2.00
Anchorage, Alaska	2.66
Appleton, Wis.	1.90
Atlanta, Ga.	1.87½
Atlantic City, N. J.	2.50
Austin, Texas	2.25
Baltimore, Md.	2.12½
Baton Rouge, La.	2.25
Beaumont, Texas	2.00
Billings, Mont.	1.90
Birmingham, Ala.	1.90
Boise, Idaho	1.75
Borger, Texas	2.00
Boston, Mass	2.15
Bremerton, Wash. (Pudget Sound Navy Yard)	1.63
Buffalo, N. Y.	2.40
Cedar Rapids, Ia.	2.00
Charleston, S. C. (Navy Yard)	1.54
Charleston, S. C. (Except Navy Yard)	2.00
Charleston, W. Va.	2.25
Charlotte, N. C.	1.87½
Chicago, Ill.	2.35
Cincinnati, Ohio.	2.20
Cleveland. Ohio.	2.25
Columbia, S... C.	1.87½
Columbus, Ohio	2.20
Connecticut	2.25
Corpus Christi, Texas	2.25
Dallas, Texas	2.25
Dayton, Ohio	2.00
Effective Aug. 22	2.25
Denver, Colo.	2.15
Des Moines, Ia.	2.00
Detroit, Mich.	2.40
Duluth, Minn.	1.85
Essex Co., N. J.	2.50
Evansville, Ind.	2.00
Fort Wayne, Ind.	2.00
Fort Worth, Texas	2.25
Freeport, Texas (Dow Chem. Co., Maintenance only)	1.85
Galveston, Texas	2.00
Grand Rapids, Mich.	2.25
Great Falls, Mont.	1.90
Greensboro, N. C.	1.87½
Honolulu, Hawaii	1.70
Houston, Texas	2.00
Hudson Co., N. J.	2.50
Huntington, W. Va.	2.25
Indianapolis, Ind.	2.20
Jackson, Mich.	2.25
Jackson, Miss.	2.25
Jacksonville, Fla.	1.88
Kalamazoo, Mich.	2.25
Kansas City, Mo.	2.00
Knoxville, Tenn.	1.87½
Lansing, Mich.	2.25
Laramie, Wyo.	2.15

Lawrenceburg, Ind. (Distillery Plant Workers only)	1.76
Little Rock, Ark.	2.00
Long Beach, Calif. (Navy Yard)	1.63
Los Angeles, Calif.	2.25
Louisville, Ky.	2.00
Madison, Wis.	2.20
Manitowoc, Wis.	1.90
Mare Island (Naval Shipyard) Vallejo, Calif.	1.66
Memphis, Tenn.	2.00
Miami, Fla.	2.25
Milwaukee, Wis.	2.20
Minneapolis, Minn.	2.00
Mobile, Ala.	1.87½
Nashville, Tenn.	1.90
New Orleans, La.	2.25
Newport News, Va. (Except Navy Yard)	1.87½
New York City, N. Y.	2.75
Norfolk, Va. (Navy Yard)	1.54
Norfolk, Va. (Except Navy Yard)	1.87½
Oak Ridge Tenn. (Clinton Engr. Works Maintenance only)	1.59
Oklahoma City, Okla.	2.00
Omaha, Nebr.	2.00
Pascagoula, Miss	1.87½
Philadelphia, Pa.	2.50
Philadelphia, Pa. (Navy Yard)	1.54
Phoenix, Ariz.	2.00
Pittsburgh, Pa.	2.25
Port Arthur, Texas	2.00
Portland, Ore.	2.20
Portsmouth, Va. (Except Navy Yard)	1.87½
Providence, R. I.	2.10
Richmond, Va.	1.87½
Rochester, N. Y.	2.25
Sacramento, Calif.	1.90
Saginaw, Mich.	2.25
Salt Lake City, Utah	1.84
San Antonio, Texas	2.25
San Francisco, Calif. (Naval Shipyard)	1.66
San Francisco, Calif.	1.90
Savannah, Ga.	1.87½
Scranton, Pa.	1.75
Seattle, Wash.	2.16½
Shreveport, La.	2.25
Sioux City, Ia.	2.00
South Bend, Ind.	2.15
Spokane, Wash.	1.87
Springfield, Mass.	2.20
Springfield, Mo.	1.62½
St. Louis, Mo.	2.25
St. Paul, Minn.	2.00
Syracuse, N. Y.	2.25
Tacoma, Wash.	2.03½
Tampa, Fla.	1.87½
Toledo, Ohio	2.25
Trenton, N. J.	2.50
Tulsa, Okla.	2.00
Washington, D. C.	2.31¼
Wausau, Wis.	1.90
White Plains, N. Y.	2.60
Wichita, Kans.	2.00
Wilkes-Barre, Pa.	1.75
Wilmington, Del.	2.50
Wood River, Ill. (Oil Refinery only)	1.85
York, Pa.	1.72½
Youngstown, Ohio	2.12½

AMPHIBOLE ASBESTOS OF PORTUGAL

Long and short fibres — Prompt shipment

SOCIEDADE PORTUGUESA DE AMIANTOS, Lda.

Rua Sa da Bandeira, 245 - Porto - Portugal

Canada

(Dept. of Mines, Province of Quebec)

Production for May 1948	60,248 tons (2000 lbs.)
Compared with May 1947	60,037 tons (2000 lbs.)

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Production for April 1948	5,808.68 tons (2240 lbs.)
Valued at	£214,730.

Africa (Swaziland)

Production for April 1948	2,500 tons (2000 lbs.)
Production for May 1948	2,500 tons (2000 lbs.)

United States (By Bureau of Mines)

	Year 1947
Production	
Chrysotile	24,462 short tons
Amphibole	677 short tons
Total	25,139 short tons
Sales	
Chrysotile	23,586 short tons
Amphibole	449 short tons
Total	24,035 short tons
Total sold or used by producers	24,035 short tons
Imports (unmanufactured)	594,839 short tons
Exports (unmanufactured)	2,087 short tons
Or an Apparent consumption of	616,787 short tons
Valued at	$30,423,663.

Apparent consumption in 1946 was 459,752 tons valued at $17,840,775.

Domestic production came principally from Vermont with minor amounts from Arizona, North Carolina, Georgia and California.

Imports provided 96% of the asbestos used in the United States in 1947, Canada supplying 91%, Africa 5%.

The above data has been taken from the U. S. Bureau of Mines Mineral Market Report No. 1629, prepared by Lawrence G. Houk and F. M. Barsigian under the supervision of G. W. Josephson, Chief, Nonmetal Economics Branch.

Union of South Africa

(Quarterly Information Circular, Department of Mines, Pretoria)

Tons — 2000 lbs.

	Year 1947				
	Production	Local Sales		Exports	
	Tons	Tons	Value	Tons	Value
Amosite	18,780	994	£10,628	19,659	£416,395
Chrysotile	2,253	133	31,113	845	44,715
Cape Blue	8,183	498	8,058	11,723	430,812
Transvaal Blue	896	176	4,082	1,010	35,449
Anthophyllite	30	30	150	.....	.....
	30,142	1,831	£54,031	33,237	£927,371

Figures for the year 1946 were published in our September 1947 number, page 34.

AUTOMOBILE SALES

	June 1948
Passenger Cars	312,406
Motor Trucks	117,572
Motor Coaches	1,055
	431,033

May total sales were 338,531; while sales for June 1947 totalled 400,372. These figures cover only cars made in the United States.

(Figures supplied by the Automobile Manufacturers Association. New Center Building, Detroit 2, Mich.)

• • • —

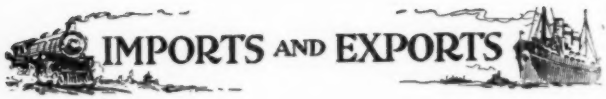
Don't worry about making a mistake. Most if not all of them have been made before.

Fine Asbestos Tapes and Sleevings

Light Weight Asbestos Cloth

ATLAS ASBESTOS COMPANY

North Wales • Pennsylvania



Imports into U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries	April 1948 Tons (2240 lbs.)
From Canada	45,124
S. Rhodesia	953
Union of S. Africa	1,950
	48,027
Value	*$3,123,543*
By Grades:	
Crude No. 1 (Chrysotile)	
Canada	14
S. Rhodesia	112
Crude No. 2 (Chrysotile)	
Canada	15
S. Rhodesia	337
Union of S. Africa	227
Crude—Other (Chrysotile)	
Canada	17
S. Rhodesia	504
Union of S. Africa	182
Crude—Blue	618
Crude — Amosite	
Union of S. Africa	923
Textile Fibres (Chrysotile)	
Canada	1,365
Shingle Fibres (Chrysotile)	
Canada	6,222
Paper Fibres (Chrysotile)	
Canada	5,205
Fibres—Short Grades (Chrysotile)	
Canada	32,286
	48,027

Manufactured Asbestos Goods:	April 1948 Quantity (Lbs.)	Value
Asbestos Yarn		
United Kingdom	11,117	$ 9,125
Asbestos Packing Fabric		
United Kingdom	1,816	1,448

(Continued on page 30)

Announcement

The Name and Address of

PLANT RUBBER & ASBESTOS WORKS

a Division of The Paraffine Companies, Inc.

Have been changed
as of July 1, 1948

to

THE PARAFFINE COMPANIES, INC.
INSULATION DIVISION

475 Brannan Street, San Francisco 19, California

The same products will be manufactured under the brand names of

PABCO *Precision Molded*
85% MAGNESIA INSULATION
and
PRASCO HIGH TEMPERATURE INSULATION

Imports Continued

	April 1948 Quantity (Lbs.)	Value
Asbestos Packing—Not Fabric		
Canada	5	2
United Kingdom	2,272	1,375
Asbestos Woven Fabrics (Other)		
Canada	110	114
United Kingdom	4,576	3,515
Asbestos-Cement Products (Not Impregnated)		
Canada	17,040	702
Belgium	132,250	3,618
Asbestos Cement Products (Impregnated)		
United Kingdom	200	71
Asbestos Manufactures—Other		
Canada	....	3
	169,386	$20,113

Exports from U. S. A.
(Figures by Bureau of Census)

Unmanufactured Asbestos

	April 1948 Tons (2240 lbs.)	Value
To Brazil	45	$ 1,375
Venezuela	72	20,432
Cuba	31	1,576
United Kingdom	42	4,586
Germany	12	11,793
Netherlands	48	7,990
Australia	2	750
Other Countries	4	190
	256	48,692

Manufactured Asbestos Goods:

		April 1948 Quantity	Value
Asbestos Paper, Mlbd., Rlbd.	Lbs.	570,673	$ 41,120
Asbestos Pipe Covg. & Cement	Lbs.	378,504	25,166
Asbestos Textiles and Yarn	Lbs.	114,300	109,128
Asbestos Packing	Lbs.	201,932	124,477
Asbestos Brake Lng. (Mld.&S. Mld.)	Lbs.	286,821	245,595
Asbestos Brake Lng. (Woven)	L. Ft.	42,199	35,187
Asbestos Clutch Fcgs. (M.&S.Mld.)	No.	66,579	32,749
Asbestos Clutch Fcgs. (Woven)	No.	35,572	19,150
Asbestos Brake Blks. (M. & S. Mld.)	Lbs.	14,147	12,031
Asbestos Brake Blks. (Woven)	Lbs.	6,625	8,253
Asbestos Sheets	Lbs.	824,955	41,344
Asbestos Roofing	Sqs.	8,775	69,343
Other Asbestos Manufactures	—	....	77,358
			$840,901

JOHNSON'S COMPANY LTD.

ESTABLISHED IN 1875

Head Office

Thetford Mines, P. Q., Canada

Mines

Thetford Mines, Quebec
Black Lake, Quebec

Producers of All Grades of

RAW ASBESTOS

REPRESENTATIVES

GREAT BRITAIN .....A. A. BRAZIER & CO.
"Avenue Lodge"
65a Bounds Green Road,
LONDON, N. 22, England.

CHICAGO 4, ILL. .....GRANT WILSON, INC.
141 West Jackson Boulevard

NEW YORK, N. Y. .....CONNELL ASBESTOS MFG. CO.
Bldg. 1, Atlas Terminal
Glendale 27, L. I.

SAN FRANCISCO, CALIF. .....LIPPINCOTT CO., INC.
461 Market Street

NEWS OF THE INDUSTRY

BIRTHDAYS

C. B. Pooler, Vice President, Philip Carey Mfg. Co., Lockland, Cincinnati, Ohio, August 18.

R. J. Tobin, Chairman, Tilo Roofing Co., Stratford, Conn., August 18.

Carl W. Lemmerman, President, Homestead Corp., Hartford, Conn., August 19.

C. H. Carlough, President, Carolina Asbestos Co., Davidson, N. C., August 20.

P. E. Coombes, Director and General Manager, Uxbridge Flint Brick Co., Uxbridge, Middx., England, August 21.

F. P. Kuckenbecker, President, Asbestos & Magnesia Materials Co., Chicago, Ill., August 23.

H. W. Davis, General Sales Manager, Asbestone Corporation, New Orleans, La., August 25.

Theodore O. Dallman, Vice President, Grant Wilson, Inc., –Chicago, Ill., August 27.

Matthew Balich, President, Matthew Balich Corp., New York City, August 29.

George Robinson, Secretary, Johnson's Co., Thetford Mines, P. Q., Canada, August 30.

A. W. Swartz, President, Linear Packing & Rubber Co., Philadelphia, Pa., August 31.

John P. Syme, Vice President, Johns-Manville Corporation, New York City, September 1.

W. D. Pardoe, Vice President, Thermoid Co., Trenton, N. J., September 8.

Abbott Coburn, President, Globe Roofing Products Co., Inc., Whiting, Ind., September 9.

Pierre E. Donellon, Vice President (Charge of Construction) Tilo Roofing Co., Stratford, Conn., September 9.

J. Gillmur Tyson, Jr., President, Consolidated Asbestos Corp., Lansdale, Pa., September 14.

R. J. Berry, President, Standard Asbestos Mfg. Co., Cleveland, Ohio, September 15.

To all these gentlemen we extend congratulations and best wishes, on the occasion of their birthdays.

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JOHNS-MANVILLE—Second Quarter Report

Consolidated earnings of Johns-Manville and subsidiary companies for the second quarter of 1948 were $3,300,861, compared with $2,938,645 for the corresponding period in 1947.

Sales for the second quarter of 1948 were $39,933,519 compared with $33,613,580 for the second quarter of 1947.

Sales and earnings for the second quarter of 1948 were the *largest for any quarter in the company's history.*

BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited

Morley House, 28-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:

ARNOLD W. KOEHLER

415 **LEXINGTON AVE.** **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

CAREY PROMOTIONS

Harold D. Bates, formerly Advertising and Sales Promotion Manager of the Philip Carey Mfg. Company has been made General Merchandise Manager. Mr. Bates has been with Carey since October 1944.

Harold D. Bates

Frank J. Smith has been appointed Advertising and Promotion Manager, succeeding Mr. Bates. Mr. Smith joined the Carey Company in January, 1948, after several years in the sales and advertising departments of Owens-Corning Fiberglas Corporation. He is a graduate of Ohio State University.

Frank J. Smith

ROCKBESTOS—Changes In District Office Personnel

Rockbestos Products Corporation has made the following changes in district office peronnel, effective July 1st:

H. B. Hammond, formerly district manager of the New York Office, will in future devote himself exclusively to the servicing of all departments of the Federal Government in Washington, D. C., and all private shipyards on the East Coast; his office will be in New Haven at Company headquarters.

J. T. Williams, former Cleveland Office Manager, has been advanced to District Manager of the New York Office.

D. S. Lee, former district manager of the Buffalo Office (which has been discontinued) was transferred to Cleveland as district manager, the Buffalo district being incorporated in the Cleveland office territory.

S. A. Sargent, former district representative of the New England territory, has been transferred to the Chicago district office.

R. G. Newton, former Sales Promotion Manager of the New Haven Office, was appointed district representative of the New England territory, with headquarters in New Haven.

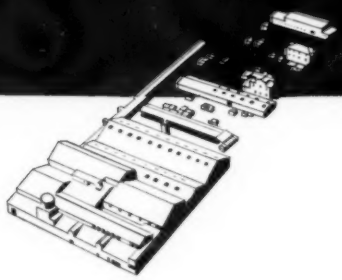
CAREY—Report for First half of 1948

Profits of The Philip Carey Mfg. Co. and its subsidiaries for the six months ended June 30, 1948 amounted to $1,753,035, compared with $1,433,549 for the same 1947 period.

Sales for the first half of 1948 were $21,907,623, an increase of 23.2% over the same period in the previous year.

ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
5372 TCHOUPITOULAS ST., NEW ORLEANS, LA.

PLANT INSULATION COMPANY
J. S. Baum Organizes for Insulation Contracting

Plant Insulation Company, a California Corporation, has been formed by J. S. (Josh) Baum, to handle the contracting and distributing operations of the Plant Rubber and Asbestos Works in Southern California, in 85% Magnesia and High Temperature insulations and related products.

J. S. Baum

The company has been appointed distributor of the products of The Paraffine Companies, Insulation Division (formerly Plant Rubber and Asbestos Works), Eagle-Picher Sales Company, Norristown Magnesia and Asbestos Co., Harbison-Walker Refractories, Grant Wilson, Inc., and other leading brands, in Southern California, Clark County, Nev., and Arizona.

Plant Insulation Company, with offices and warehouses at Los Angeles and Wilmington, Calif., took over the entire engineering and sales personnel of Plant Rubber and Asbestos Works in Southern California. The organization is headed by Mr. Baum who was with the former company for 13 years in various capacities including Eastern Division Manager during factory's post-war expansion program, and more recently as Southern California Factory Branch Manager.

FRED S. BACON, JR., APPOINTED
Asst. General Sales Manager of Rockbestos

Fred S. Bacon, Jr., has been appointed Assistant General Sales Manager of Rockbestos Products Corporation, manufacturers of permanently insulated wire and cable.

Mr. Bacon will assume his new duties on August 15th as assistant to H. O. Anderson, Vice President in charge of sales. He will have immediate responsibility for general sales, advertising and sales promotion.

Fred S. Bacon, Jr.

Mr. Bacon comes to Rockbestos from Westinghouse Electric Corporation where he held the position of manager of the Central Station Division Department at Boston. He has been with Westinghouse since his graduation from Northeastern University in 1936.

Mr. Bacon is a member of the American Institute of Electrical Engineers, serving as vice-chairman of the membership committee of the Northeastern District. He received a degree in electrical engineering from Northeastern and while a student there won the Alcott Award for excellence in mathematics.

ASBESTOS FIBRE SHINGLE GRADES

Immediate delivery.

A NEW MODERN ASBESTOS PLANT WITH REVOLUTIONARY EQUIPMENT

Your inquiries are invited.

•

ASBESTOS FIBRES, INC.

Preparation Plant:

33 AVENUE P, NEWARK, N. J.

Main Office:

56 CRITTENDEN ST., NEWARK, N. J.

THERMOID APPOINTS A. RAY MACPHERSON

A. Ray MacPherson has joined Thermoid Company as Manager of its Industrial Friction Materials Sales Division.

A Ray MacPherson

Mr. MacPherson was formerly Sales Manager of Standco Brake Lining Co. of Houston, Texas, and prior to that he was associated with Raybestos-Manhattan for many years in various capacities. He has spent most of his business life in the brake lining industry, in fact for five years he manufactured and sold his own brake lining under the trade name of "Brake Friction". He helped introduce Ferodo to the American market.

Mr. MacPherson will make his headquarters in Detroit, Mich.

ASBESTOS CEMENT PRODUCTS ASSOCIATION—New Officers

E. W. (Pat) Smith, vice-president in charge of sales of the Philip Carey Mfg. Co., was elected President of the Asbestos Cement Products Association at its recent annual meeting held in Skytop, Pa. He succeeded Stuart H. Ralph of the Flintkote Company, who had filled the office for two terms.

E. W. (Pat) Smith

Vice President for the coming year will be Clifford F. Favrot of Asbestone Corporation. Samuel P. Moffit of The Ruberoid Co., was re-elected Treasurer.

Chester C. Kelsey, who became Secretary when the Association moved its offices to New York early this year, remains in that position.

Directors of the Association include Stuart H. Ralph of The Flintkote Company, L. M. Cassidy of Johns-Manville Sales Corporation, R. R. Galloway of Asbestos Limited, Otis Massey of the Asbestos Company of Texas and R. J. Tobin of Tilo Roofing Company, Inc.

H. WILLIAM OVERMAN JOINS UNIT MANUFACTURING CO.

H. William (Bill) Overman has entered into the manufacturing of Materials Handling and Brake Servicing Equipment as part owner and Director of Sales and Engineering of the Unit Manufacturing Company, Columbus, Ohio.

Mr. Overman was formerly Manager of Industrial Friction Materials and Industrial Wheels Division of the Thermoid Company, where he spent considerable time in designing and marketing industrial wheels, aluminum hand trucks and various friction materials.

EUROPEAN ASBESTOS

SPINNING, SHINGLE and PAPER FIBRE

also

SHORTS and 8S

•

ALPINE MINING CORPORATION

Offices at

535 Fifth Avenue
New York 17, N. Y.

Les Amiantes de France
30 Rue Hamelin
Paris (16e) France

IRON-FREE ASBESTOS

from our own Arizona mine.

Pure white, iron-free asbestos, processed at the mine for specialized purposes such as filtration, electrical insulation, special chemical processes (catalysts, etc.).

Also produced in limited commercial quantities.

Send for samples and prices.

ARIZONA CHRYSOTILE ASBESTOS CO.

Box 328
Globe, Arizona

Eastern Office & Warehouse
204 21st Avenue
Patterson, N. J.

SAMUEL JOHN JOHNSON PASSES AWAY
Director of Johnson's Company Ltd.

Following a lengthy illness, Samuel John Johnson died on July 13th at Thetford Mines, Quebec, Canada.

Mr. Johnson was a son of Andrew Stuart Johnson, Founder of Johnson's Company. He was elected to the Board of Directors in 1926, following the death of his father. Prior to that he had been Assistant-Manager of the Company for nine years. He was a brother of Andrew Stuart Johnson, President and Managing Director of Johnson's Company at the present time.

Samuel John Johnson

Mr. Johnson was born in Thetford Mines, Que., November 8, 1904; attended Thetford Mines High School and McGill University. He was a member of Thetford Lodge No. 88, A. F. & A. M. and Karnak Temple, Montreal. He was also Associate Member of the Canadian Institute of Mining & Metallurgy and a member of the Stadaconna Fish and Game Club.

CAPE ASBESTOS COMPANY LIMITED
Forms New Companies to Operate Mines

In order to give greater flexibility to their administrative organization, two new companies have been formed by Cape Asbestos Company Limited, in the Union of South Africa, to operate the Blue Asbestos Mines as an independent unit, and to centralize the control, both financial and executive, of all their mining interests.

The new firms are Cape Blue Mines (Pty) Limited, with a capital of £340,000, and Cape Asbestos South Africa (Pty) Ltd., with a capital of £1,200,000. The registered offices of both Companies are at Corner House, Johannesburg.

Rupert St. G., Riley, a Director of The Cape Asbestos Company Limited, is an Executive Director of these new Companies and will soon take up residence in Johannesburg.

THE STOLTZBURG MINE

Progress is reported by the South African Mining and Engineering Journal in opening up of the asbestos deposits being worked by the Stoltzburg Asbestos Co., in Eastern Transvaal, Africa. The fibre is of the chrysotile variety, and the property lies about 25 miles from Badplaats and an equal distance from Barberton.

The plant with the recent addition of a horizontal drier and accessories for treating the crushed and sized ore from the primary crushers, is expected to increase the monthly output of fibre to about 350 to 400 tons, according to the above mentioned Journal.

PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre

DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

FIBRE AND METAL PRODUCTS, INC.,
Announces Ownership Change

Fibre and Metal Products Inc., of Downey, Calif., has announced that the outstanding capital stock of the firm has been purchased by private interests. Full scale production of "Emsco" friction materials for automotive and industrial use, and production of aircraft, commercial, steel brass and copper rivets is now under way.

J. A. Blake

Michael G. Luddy and James A. Blake, will continue as directors of the Company. Officers include James A. Blake, Executive Vice President and Craig E. Grover, Secretary - Treasurer. R. C. Wright is Sales Manager.

R. C. Wright

Fibre and Metal Products, Inc., was formerly known as Emsco Asbestos Co., and was established in 1918 for the manufacture of rotary brake lining, asbestos cloth, tape, tubing and similar products. The firm then branched into the manufacture of molded brake lining for passenger cars, and brake blocks for trucks. In addition the company makes brass automotive tubular rivets for installation of lining on brake shoes, and aluminum aircraft rivets.

SOUTH AFRICAN STANDARD SPECIFICATION FOR ASBESTOS CEMENT SHEETS

We have just received a copy of the Standard Specification for Flat and Corrugated Asbestos Cement Sheets, including Ridging, Barge Boards and Flashings, published by the South African Standards Council, Private Bag 191, Pretoria, South Africa. The price of this 5 shillings.

The copy may be consulted in the office of "ASBESTOS" by anyone interested, or can be obtained by sending international money order to the above address.

ASBESTOS MINING ENGINEER

Graduate Mining Engineer wanted for Asbestos operation in Quebec of progressive long-established company. Position includes surveying, supervision of Diamond Drilling and miscellaneous engineering work. Experience desirable but recent graduate considered. Send complete resume including education, experience, etc., to Box No. 8F-R, "ASBESTOS" 17th Fl., Inquirer Bldg., Phila., 30, Pa.

ACE ASBESTOS MANUFACTURING CO.

Importers, Exporters, Processors of
Asbestos Fibres of All Varieties
of

RAW ASBESTOS

for
Every Use

•

CHRYSOTILE
AMOSITE
AMPHIBOLE FIBRES

originating in
U. S. A. (ARIZONA)
CANADA
RUSSIA
CHINA
INDIA
RHODESIA
SOUTH AFRICA

•

Large Capacity Fiberizing and
Grading Plant

451 Communipaw Ave. Jersey City, N. J.

FLINTKOTE CHANGES

Norm Aimer, Midwestern District Sales Manager of The Flintkote Co., retired on August 1st after twenty-seven years' service. He was given a farewell dinner on July 22nd and presented with a leather-bound book of testimonial letters and an RCA Radio-Phonograph combination set by his business associates and friends. Mr. Aimer pioneered in the introduction of many asphalt roofing products now in wide acceptance and general use.

Gordon Worley, assistant to Mr. Aimer, succeeds him as Midwestern District Sales Manager, for Flintkote, with headquarters at Chicago Heights, Ill. He was formerly Flintkote sales representative in the Northern Mississippi and Knoxville-Chattanooga territories.

KELLEY ASBESTOS PROMOTES J. B. ANCHORS

J. B. Anchors, Wichita Branch Manager of the Kelley Asbestos Products Company, has been placed in charge of all the company's operations in the States of Oklahoma and Arkansas, in addition to his present duties. This places Mr. Anchors over the combined territories of Southern Kansas and Oklahoma.

Mr. Anchors has been with the Company for fourteen years, with the exception of the period spent with the U. S. Army, and the Company feels that their oil refinery and industrial accounts in Kansas and Oklahoma will be better served by this change.

CELLACTITE & BRITISH URALITE
Annual Report

Report of Cellactite & British Uralite, Ltd., located at Higham, Rochester, Kent, England, for year ending March 31st, 1948, shows a profit of £54,906, compared with £39,971 for the previous year.

During the year the Company has expended approximately £14,000 on new buildings, plant and machinery.

A final dividend of 10% makes the total of 20% for the year. Gordon Parker, formerly General Manager of the Company, has been appointed Managing Director.

The Company manufactures asbestos-cement products.

HAVE A SMALL PLANT FOR PRODUCTION OF WHOLE-WOOD FIBRE

From trees under the original McMillan process. Fibre is long, fine, highly suitable for insulation, acoustic tiles, plasterboard, insulation cement products, or mixing with other types of fibre to add strength and resiliency. Owing to preoccupation with other business am seeking collaboration of person or firm experienced in any of above lines, or will consider sale of plant.

Valy Smith, Rhinelander, Wis.

PATENTS

This information obtained from the Official Patent Gazette, published weekly by the U. S. Patent Office, Washington, D. C.

Copies of patents can be obtained by sending 25c (in coin) to The Commissioner of Patents, Washington, D. C., giving the patent number, date it was issued, name of patentee and name of invention.

Process for Production of Magnesium Compounds. No. 2,442,881. Granted on June 1, 1948 to Edgar B. Baker, Burlingame, Calif., assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Application August 26, 1944. Serial No. 551,331.

In a process for the recovery of a magnesium compound from an hydrous slurry containing both calcium and magesium hydroxides the steps of reacting the slurry with magnesium bicarbonate so as to convert at least a substantial part of the calcium hydroxide to calcium carbonate, subjecting the resulting slurry to carbonation so as to produce solid phase carbonate, the rate of conversion of the magnesium hydroxide into solid phase carbonate being less than about 0.12 mol per gallon per hour and the concentration of carbon dioxide and carbonic acid in the liquid phase maintained within the limits of about 0.02 to 0.05 mol per liter to produce neutral magnesium carbonate of a particle size greater than about 200 microns subjecting the carbonated slurry to separating treatment whereby the bulk of the neutral magnesium carbonate is removed in an underflow and the calcium carbonate with the remainder of the neutral magnesium carbonate is removed in an overflow converting neutral magnesium carbonate obtained from the overflow to magnesium bicarbonate and utilizing such magnesium bicarbonate in said first named reaction.

Insulating Material. No. 2,442,519. Granted on June 1, 1948 to Clyde C. Schuetz, Mount Prospect, Ill., assignor to U. S. Gypsum Co., Chicago, Ill. Application August 6, 1943. Serial No. 497,713.

Process of producing a heat insulating material having high strength and low density, capable of use at temperatures up to about 1000° F., having a density of not more than about 20 pounds per cubic foot and a modulus of rupture in pounds per square inch of at least 4-½ times its density in pounds per cubic foot and a lineal shrinkage of not more than about 2% when heated to 1000° F., which comprise the steps of mixing asbestos fibres, finely pulverized quenched blast furnace slag, diatomaceous earth, lime and an alkali in the proportions of said materials chosen from within the ranges of the following formula:

Asbestos Fibres	5 — 35%
Slag	10 — 89%
Diatomaceous Earth	3 — 42.5%
Lime	3 — 42.5%
Alkali	0 — 10.0%

with an amount of water by weight of from about 3 times to about 6 times the weight of the dry constituents of the resulting mixture, etc.

Packing for Stuffing Boxes. No. 2,442,687. Granted on June 1, 1948, to E. B. Heathcott, Houston, Texas, assignor to Universal Packing & Gasket Co., Houston. Application July 13, 1945. Serial No. 604,843.

A packing ring comprising a web of resilient material substantially V-shaped in cross section to permit stacking of a plurality of said rings when used and having a central apex portion substantially thicker than the lip portions and thin edge portions at the extremities of the lip portions, etc.

Packing Ring. No. 2,444,119. Granted on June 29, 1948 to Frederick C. Thorn and Robert M. Waples, Palmyra, N. Y. Assignors to Garlock Packing Co., Palmyra, N. Y. Application August 11, 1945. Serial No. 610,288.

In a fluid pressure mechanism a pair of relatively movable members, one of said members having an annular groove therein of generally rectangular cross-section with a cylindrical wall concentric with the axis of motion of the relatively movable members, an endless deformable packing ring of less width than said groove in said annular groove and forming a sliding packing joint with the other member, said packing ring having a concentric cylindrical surface and laterally sides which form obtuse angles with the cylinder wear surface of the packing at the ends of said wear surface.

Apparatus for Lining Brakes. No. 2,444,191. Granted on June 29, 1948 to Alger R. Friberg, Beverly Hills, Cal. Application September 9, 1946. Serial No. 695,643.

Apparatus for applying a liner to an internal brake shoe having a convexly curved face. Description upon request.

Packing. No. 2,444,216. Granted on June 29, 1948 to Herbert Allen and Madden T. Works, Houston, Texas. Assignors to Cameron Iron Works, Houston. Application March 24, 1947. Serial No. 736,717. Description upon request.

Shingle. No. 2,444,623. Granted on July 6, 1948 to Herbert Abraham, New York City. Assignor to Ruberoid Co., New York City. Application November 27, 1945. Serial No. 631,023. Not Asbestos-Cement. Description upon request.

FOR SALE

Corrugating Rolls, bearings and frame for hot or cold use on asbestos paper. Never used. Address Model Shop, 606 Hagel Ave., Linden, N. J.

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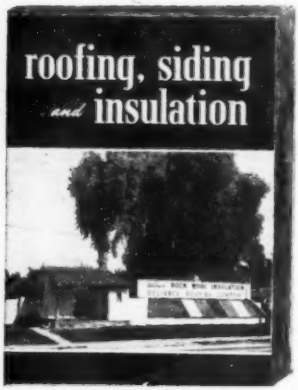

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This material originated during the war and as we understand it is a combination of Asbestos Fibre and high-melting point grease; sometimes it is called lubricating grease.

It is used principally on slow moving bearings in very hot applications, such as the bearings on paper mill dryers. A large piece of the grease is laid in a grease box over journal of the bearing and the heat gradually melts the grease and lubricates the bearing. The asbestos acts as a filler, spreads the grease out and prevents it from melting too rapidly.

The asbestos used must be very fine, and free from grit so that it will not harm the bearings.

We would like further information about this material particularly as to who manufactures it.

• • • —

Tub-Tite is a resin-based plastic caulking for use in sealing cracks in and around washstands, shower stalls, drinking fountains, show cases, bathtubs, and the like. It comes in a tube and is applied directly from the tube. Dries within an hour to form a white, glossy surface which is not affected by soap, oil, grease, acid, alkali or water. It contains asbestos in short grade. More information can be obtained from the manufacturers, the American Fluresit Company, 635 Rockdale Avenue, Cincinnati 29, Ohio.

• • • —

SHINGLE-SEAL has been brought to our attention as a new product developed as a decorative, weatherproof finish for asbestos siding. Further information may be obtained from Dewatex Manufacturing Corporation, 42nd Street and Dyer Ave., New York 18.

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For making corrugated sheets and pressure pipes. Short term deliveries.
Complete plants designed, equipped and started.
Our Engineers have had thirty years experience in making Asbestos-cement sheets and pipes.
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Cable address: Durite - Trieste

AFTERTHOUGHTS

¶ Inquiry has been made for a Mrs. Larson, who at one time imported Belgium asbestos-cement shingles. We understand she is at present in or near New York City. If anyone knows her present address please write us

¶ For those who may be interested, the address of the United Asbestos Corporation, (mentioned on page 46 of our June number and page 46 of our July number) is 717 Transportation Bldg., 132 St. James St., West, Montreal, P. Q., Canada.

¶ Any reader of "ASBESTOS" desiring samples of Quinterra (see page 12) asbestos paper for their asbestos curiosity cabinets, or further information on this unique material, may obtain them by writing to S. V. Dillon, Manager of Electrical Department, Johns-Manville, 22 E. 40th St., New York 16, N. Y. Please mention that you are a reader of "ASBESTOS".

¶ Inquiry was made in our July number for the name and address of manufacturers of Pipe Covering Protectors. These Protectors are made by The Protector Co., 49 L Street, Boston 27, Mass.

¶ Most of the information concerning the history of early asbestos mines in Rhodesia has been taken from an article by Noel H. Griffin, "Asbestos in Southern Rhodesia" which was published by the South African Mining and Engineering Journal in its November 16, 1946 number.

¶ J-M Asbestos Mine at Asbestos, P. Q., Canada, produced 305,000 tons of asbestos in 1947 - that means three million tons of ore was handled. They are getting 10% recovery at the present time - 15 years ago the recovery was only 5%.

¶ The retail price of Carosel Asbestos Towels, made of Asbeston cloth (a U. S. Rubber product) has been reduced to 69c. They were 88c previously. Wanamaker's handle them in Philadelphia.

¶ We don't know one millionth part of one percent about anything—Thomas A. Edison.

BOOK LIST

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks) 25c per copy postpaid.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 20c each

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 80 pages about asbestos, from mine to finished product, in plain language, illustrated, 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa. Postage stamps acceptable for amounts less than $1.00.

WANTED

Scrap Asbestos—white, unimpregnated with graphite, asphalt or wire—especially white gasket waste. Steady demand.

A. S. Thompson, 56 Crittenden St., Newark, N. J.

AVAILABLE

Experienced salesman on asbestos textiles, packings, paper and millboards, available for factory representation in New England. Address Box No. 7E-R, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

WANTED

Connection with insulating firm in the southern area. 30 years experience as estimator, superintendent and salesman. Familiar with all types of industrial, commercial and marine insulatinos. Address Box No. 88-H, "ASBESTOS", 17th Fl., Inquirer Bldg., Phila., 30, Pa.

CURRENT RANGE OF PRICE

As of August 10, 1948

Canadian—	Per Ton (2000 lbs.) f.o.b. Mine
Group No. 1 (Crude No. 1)	$896.00 to $900.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	350.00 to 545.00
Group No. 3 (Spinning or Textile Fibre)	204.50 to 373.00
Group No. 4 (Shingle Fibre)	84.50 to 128.00
Group No. 5 (Paper Fibre)	69.50 to 78.00
Group No. 6 (Waste, Stucco or Plaster)	47.00 to 51.50
Group No. 7 (Refuse or Shorts)	24.50 to 46.00
Vermont— Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.	
Group No. 4 (Shingle Fibre)	$97.00 to $107.00
Group No. 5 (Paper Fibre)	68.50 to 85.00
Group No 6 (Waste, Stucco or Plaster)	51.00
Group No. 7 (Refuse or Shorts)	25.50 to 46.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		July 1948		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	52½	56⅝	53⅝
Armstrong Cork Co. (Pfd.)	np	95½	98¾	97
Armstrong Cork Co. (Cum. Pfd.)	np	111	115½	113¼
Asbestos Corp. (Com.)	np	26	27½	26⅞
Asbestos Mfg. Co. (Com.)	1	2	2¼	2⅛
Celotex (Com.)	np	28⅛	34⅜	29¾
Celotex (Pfd.)	20	19	19¾	19¼
Certainteed (Com.)	1	15⅝	18⅝	16½
Flintkote (Com.)	np	33¾	40⅞	35¼
Flintkote (Pfd.)	np	101½	103½	101½
Johns-Manville (Com.)	np	35½	38¾	36¾
Johns-Manville (Pfd.)	100	103	111⅞	105
Paraffine Cos. (Com.)	np	23	27½	23½
Paraffine Cos. (Pfd.)	100	103½	106	105
Raybestos-Manhattan (Com.)	np	28	34	32
Ruberoid (Com.)	np	60	69¾	62½
Thermoid (Com.)	1	8⅛	9	8⅛
Thermoid (Pfd.)	50	40½	42½	40⅝
Union Asb. & Rubber (Com.)	5	13½	15½	13½
U. S. Gypsum (Com.)	20	100	110	102
U. S. Gypsum (Pfd.)	100	172⅝	179	174
U. S. Rubber ((Com.)	10	44¼	49	46
U. S. Rubber (Pfd.)	100	129	134¼	133¼

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Yessir, there is something up our sleeve. R/M's complete line of asbestos sleeving or tubing is worth looking into closely. It comes in diameters from 1/64" to 5" and in a wide variety of styles. Flameproof, flexible R/M sleeving is used on all kinds of electrical equipment. And there is an R/M tubing for every type of cable or bus bar. Throughout industry, you'll find R/M products doing tough jobs, and doing them well.

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MANHEIM, PA. NORTH CHARLESTON, S. C.

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